



Latitude:34.46088, Longitude:-92.72987

Route:67 Section:08 Log:10.188

Arnold Road ID:30x67x8xA, Arnold Log mile:10.196

District 06, 59 - Hot Spring County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

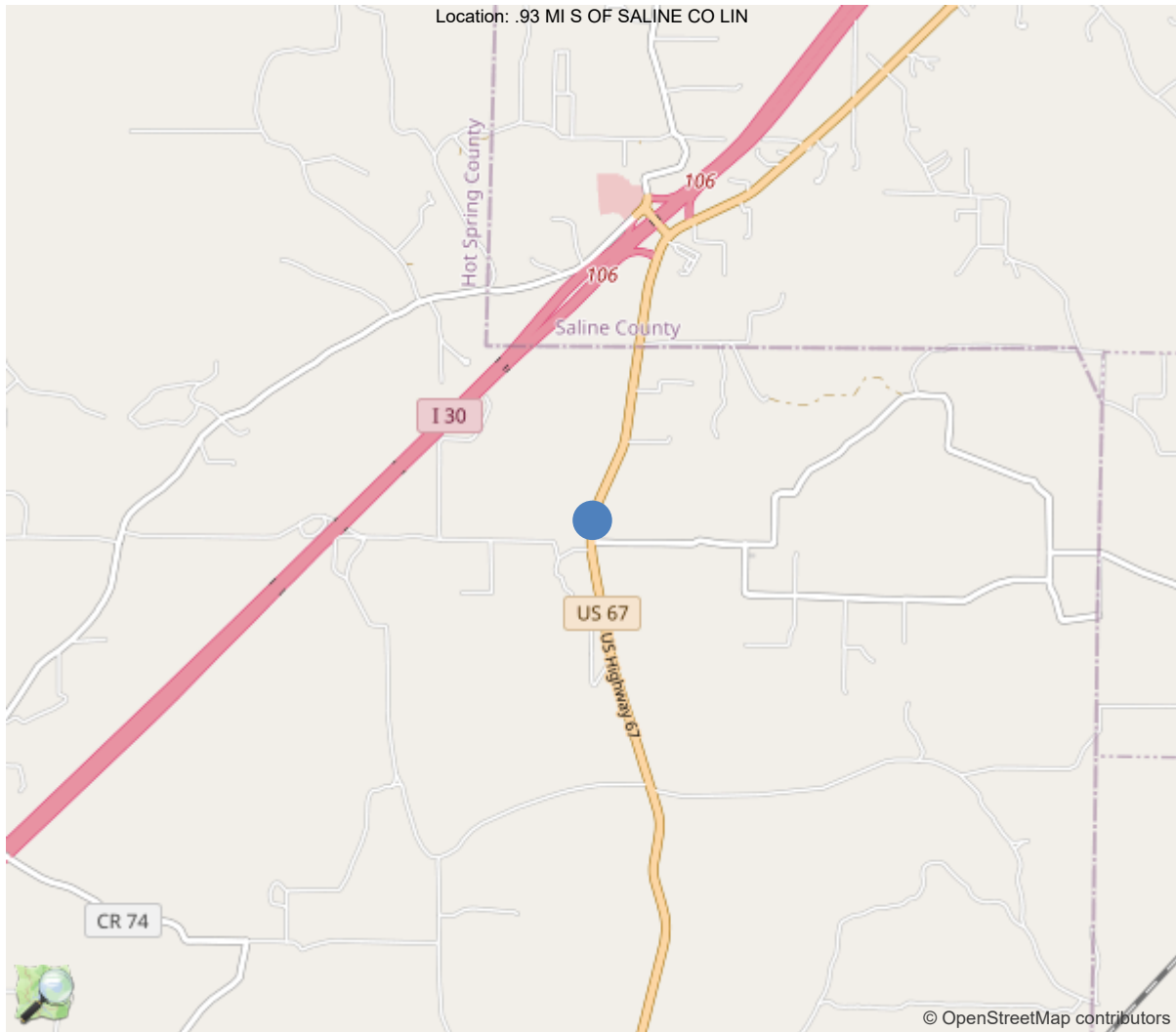
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	35		
Code 9 (31 Tons)	39		
Code 5 (40 Tons)	46		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



34.46088, -92.72987



Asset #01436(Routine)

US 67-8 Log 10.2 over TEN MILE CREEK

Location: .93 MI S OF SALINE CO LIN

Team Lead: Chris Doggett Inspection Date: 06/10/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	01436
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	59 - Hot Spring County
(4) Place Code	0
(6) Features Intersected	TEN MILE CREEK
(7) Facility Carried	US 67-8 Log 10.2
(9) Location	.93 MI S OF SALINE CO LIN
(11) Mile Point	10.188 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.46088
(17) Longitude	-92.72987
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1 - Concrete
Type	4 - Tee beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1931
(106) Year Reconstructed	1957
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	4000
(30) Year of ADT	2018
(109) Truck ADT	5 %
(19) Bypass, Detour Length	4 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	105 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	27 ft
(32) Approach Roadway Width (W/Shoulders)	36.1 ft
(33) Bridge Median	0 - No median
(34) Skew	30 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	26.6 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	1 - Navigation protection not
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	1 - The inventory route is part
(20) Toll	3 - On free road. The structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	52
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	31
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	5 - Bridge foundations determined to
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	132 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 125
(96) Total Project Cost	\$ 377
(97) Year of Improvement Cost Estimate	2002
(114) Future ADT	4269
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/10/2024		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



Asset #01436(Routine)

US 67-8 Log 10.2 over TEN MILE CREEK

Location: .93 MI S OF SALINE CO LIN

Team Lead: Chris Doggett Inspection Date: 06/10/2024

General Observation

Job # 692, drawing # 2871

Logged Northbound.

58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

The deck has an asphalt wearing surface. The undersurface has multiple cracks and spalls with exposed rebar.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Girders have spalls with exposed rebar.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Minor cracks at the abutments and spall with exposed rebar at bent 2, column 2.



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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	2835	2792	14	29	0
1080	Delamination/Spall/Patched Area	SF	11	0	0	11	0
1120	Efflorescence/Rust Staining	SF	32	0	14	18	0
510	Wearing Surfaces	SF	2520	2215	305	0	0
3220	Crack (Wearing Surface)	SF	305	0	305	0	0
(16) Spalls with exposed rebar and cracks with efflorescence in all spans of the soffit. Span 3: right edge of deck is deteriorating and beginning to spall. Span 2, right bay: spall with exposed rebar. CS3-3sf Span 1, between girders 2&3: spalls with exposed rebar. CS3-5sf (510-16) Cracking in the asphalt wearing surface common at the joints.							
110	Reinforced Concrete Open Girder/Beam	LF	315	278	32	5	0
1080	Delamination/Spall/Patched Area	LF	12	0	10	2	0
1090	Exposed Rebar	LF	25	0	22	3	0
(110) Girders have spalls with exposed rebar. Bent 3, span 3, girder 1: spall with exposed rebar. CS3-1' Backside bent 3, girders 2 and 3 are spalled with exposed rebar. CS3-2'.							
205	Reinforced Concrete Column	EA	4	0	3	1	0
1080	Delamination/Spall/Patched Area	EA	2	0	2	0	0
1090	Exposed Rebar	EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)	EA	1	0	1	0	0
(205) Ahead side bent 2, column 2: large spall with exposed rebar. CS3-1ea.							
210	Reinforced Concrete Pier Wall	LF	39	6	33	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
1190	Abrasion/Wear (PSC/RC)	LF	32	0	32	0	0
(210) Both pier walls have minor abrasion at the waterline.							
215	Reinforced Concrete Abutment	LF	102	92	9	1	0
1080	Delamination/Spall/Patched Area	LF	3	0	2	1	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
(215) Both abutments have minor vertical cracks and few small spalls with exposed rebar.							
234	Reinforced Concrete Pier Cap	LF	51	48	2	1	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1090	Exposed Rebar	LF	2	0	1	1	0



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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(234) Bent 2 cap ahead face: spall with exposed rebar and spall on right end. Bent 3 right end cap: spall with exposed rebar.							
311	Movable Bearing	EA	6	6	0	0	0
(311) 3 pairs of bronze expansion plates at each expansion end.							
330	Metal Bridge Railing	LF	210	105	105	0	0
1000	Corrosion	LF	105	0	105	0	0
515	Steel Protective Coating	SF	420	315	105	0	0
3440	Effectiveness (Steel Protective Coatings)	LF	105	0	105	0	0



Elevation



Deck view



Inventory looking north



Span 3: right edge of deck is deteriorating and beginning to spall.



06/10/2024

Span 2, right bay: spall with exposed rebar. CS3-3sf



06/10/2024

Span 1, between girders 2&3: spalls with exposed rebar.
CS3-5sf



06/10/2024

Bent 3, span 3, girder 1: spall with exposed rebar. CS3-1'



06/10/2024

Backside bent 3, girders 2 and 3 are spalled with exposed
rebar. CS3-2'.



Ahead side bent 2, column 2: large spall with exposed rebar.
CS3-1ea.

Maintenance Needs

Date Reported: 06/05/2014

Priority: C - Important

Type of Work: Repair (General)

Status: Open

Component: Element

Deficiency Description

Bent 2 and 3 spalls and delams on girders.

Remarks



Bent girders 2 & 3 have spalls with exposed rebar.



Span 2 girder 3 at bent 3 has spall with exposed rebar.



Span 3 girder 1 at bent 3 has spall.



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (No)

A-56 - Joint Cleaning/Flushing Needed (No)



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A-57 - Girder End and Bearing Painting Needed (No)

A-58 - Cap Cleaning/Flushing Needed (No)

A-59 - Joint Repair Needed (No)

A-60 - Full Girder Painting Needed (No)

A-61 - Polymer Overlay Advised (No)

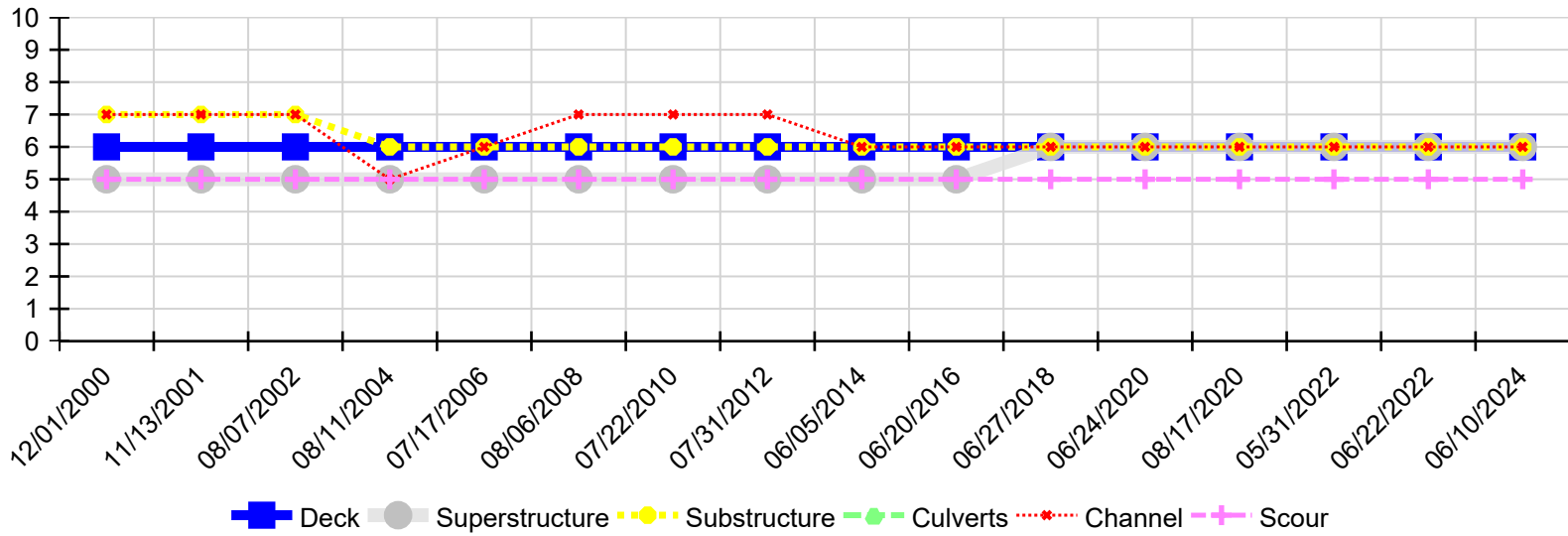
A-62 - Hydro and LMC Advised (No)

A-63 - Missing/Incorrect Log Mile Signage (No)

A-64 - Vegetation Removal Requested (No)



Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/10/2024	6	6	6	N	6	5
06/22/2022	6	6	6	N	6	5
05/31/2022	6	6	6	N	6	5
08/17/2020	6	6	6	N	6	5
06/24/2020	6	6	6	N	6	5
06/27/2018	6	6	6	N	6	5
06/20/2016	6	5	6	N	6	5
06/05/2014	6	5	6	N	6	5
07/31/2012	6	5	6	N	7	5
07/22/2010	6	5	6	N	7	5
08/06/2008	6	5	6	N	7	5
07/17/2006	6	5	6	N	6	5
08/11/2004	6	5	6	N	5	5
08/07/2002	6	5	7	N	7	5
11/13/2001	6	5	7	N	7	5
12/01/2000	6	5	7	N	7	5